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DEPARTMENT OF NATURAL RESOURCES

Division of Oil, Gas & Mining

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Inspection Report

Minerals Regulatory Program

Report Date: December 8, 2004

Mine Name: DKG Quarry

Operator or Permittee Name:

Diamond K Gypsum

Permittee Mailing Address:

1720 S. Red Hills Dr., Richfield, UT 84701-7003

Inspector(s): Paul Baker

Other Participants: Clint Henry and Kevin Rasmussen

Permit Status: Active

Current Acreages:

Total Permitted (Bonded): 12

Total Disturbed: 16.7 (9.45 acres being reclaimed; regrading completed)

Permit number: M/015/041

Inspection Date: December 2, 2004

Weather: Clear, 20's, about 4 inches of snow on the ground

Inspection Start Time: 11:10 AM

Inspection End Time: 12:15 PM

Site location/Area Inspected (i.e. Pit #):

Entire area examined with focus on newly-reclaimed area

Surface Ownership: BLM

Mineral Ownership: BLM

Mineral Mined: Gypsum

Type of Mine: Surface

Elements of Inspection

	Evaluated	N/A	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (open shafts, adits, trash, signs, highwalls)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Explosives, magazines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Erosion Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Demolition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Backfilling and Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Date: December 2, 2004; Report Date: December 8, 2004

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M/015/041

Purpose of Inspection:

Reclamation grading was complete, and the operator wanted me to look at the site before equipment was taken away.

Inspection Summary:

10. Backfilling and Grading

I am pleased with the grading that has been done (Photo 1). The site resembles adjacent undisturbed areas, and it is very rough. There is a small swale in the southwest part of the area that should collect runoff from most of the reclaimed area, but because the site is so rough, I do not anticipate much runoff.

There is an area that was reclaimed a few years ago where revegetation has not been very successful. This area was re-ripped, but the rips were nearly perpendicular to the contour in part of the area (Photo 2). I asked the operator to redo this portion with the rips running parallel to the contour. As I was leaving, the dozer was getting to the site to do this work.

The operator may need to expand the mine to the south, and if this happens, it may be necessary to redisturb part of the reclaimed area for the purpose of putting in a road.

13. Revegetation

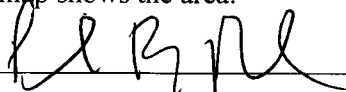
I visited the site on November 18, 2004, and took a sample of the seed the operator purchased for seeding the site. Most species in the mix have strong dormancy, but one of the species, Russian wild rye, does not. I placed 100 Russian wild rye seeds on a damp paper towel in a plastic container for about 10 days, and 82 of the seeds germinated with normal seedlings. The label shows 91 percent germination. Although I had a lower percentage than the label, my test was not done under controlled conditions like would be done in the lab. The germination rate in my test was close enough to the label that I don't see a need for the operator to send a sample to the lab. The seed dealer is reputable and well respected.

The site should be reseeded as soon as possible. Grading has just been completed, and the soil is still loose. If seeding is done now, the seed will be able to work into the soil rather than being on a surface crust.

GPS data:

The operator will need to expand the operation soon, and during the previous inspection, Mr. Henry showed me an area they would like to mine. During the current inspection, I took GPS positions around the perimeter of the approximate area we discussed. The area is 2.3 acres. I do not know the precise area the operator would disturb, so this figure should only be used as an estimate. The enclosed map shows the area.

Inspector's Signature



Date: December 8, 2004

PBB:jb

Enclosures: Photo Attachment, GPS Map

cc: Karen Palmer, Diamond K

Angela Wadman, Price BLM

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ATTACHMENT
Photographs

M/015/041, DKG Quarry, Diamond K Gypsum

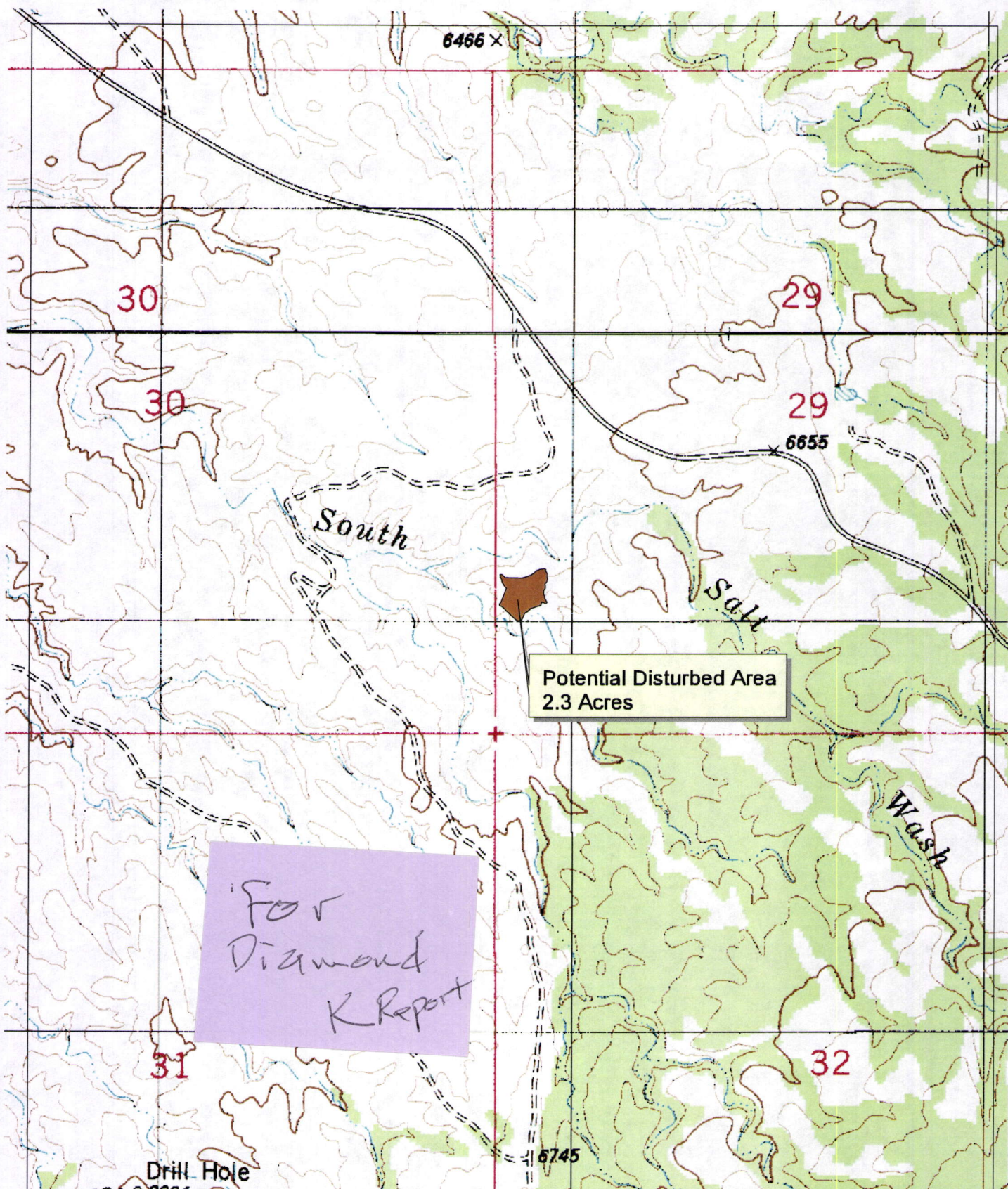
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Photo 1. Panorama of the main part of the regraded area. Note the roughness and the depression in the lower right.



Photo 2. This is an area that was previously graded and seeded. The operator has re-ripped the area, and I asked that the area on the left of this photo be ripped parallel to the contour.



Dept. of Natural Resources
Division of Oil, Gas & Mining
Mineral Mines Program

Different data sources and input scales
may cause misalignment of data layers.
This product may not meet DOGM
standards for accuracy and content.

300 0 300 600 Feet



Scale 1:4000
Contour Interval: 40 feet



Mine Number: M/015/041
Mine Name: DKG Quarry
Township 22 S Range 9 E Section 29 SLBM
Copper Globe Quadrangle

Drafted by PBB

December 2, 2004